



BEAUCHAINE

**BEAU
TECH®
TOOLS**

 SEE SECTION 2100
FOR BEAUPUGS

 THE FIRST
CHOICE FOR

SUPERIOR MAGNIFICATION

OptiVISOR
Optical Glass Binocular Magnifier

**PREFERRED BY
PROFESSIONAL &
SKILLED CRAFTSMEN
EVERYWHERE**

Today, more people in the professions and crafts, whose daily jobs require absolute accuracy regardless of miniaturization, depend on OptiVISOR for close precision work. OptiVISOR, a preferred instrument, is a highly versatile precision-made binocular magnifier that is worn on the head leaving both hands free, and can be instantly tilted downward when needed and upward when not in use. OptiVISOR can be worn over regular prescription or safety glasses.

You may order OptiVISOR in any of six magnifications (Magnifications and Prices)

OptiVISOR

OptiV

 PLATE NO. 2
Magnifies 1½ Times
Focal Length 20 inches

normal eye

OptiV

 PLATE NO. 3
Magnifies 2¼ Times
Focal Length 14 inches

Opt

 PLATE NO. 5
Magnifies 2½ Times
Focal Length 8 inches

Opt

 PLATE NO. 7
Magnifies 2¾ Times
Focal Length 6 inches

Opt

 PLATE NO. 10
Magnifies 3½ Times
Focal Length 4 inches

iOpt

ATTACHABLE AUXILIARY LENS fits either eye of any model for additional magnification. Illustration Above

**ONLY OptiVISOR OFFERS
THESE EXCLUSIVE FEATURES**

Description	Plate No. 2	Plate No. 3	Plate No. 5	Plate No. 7	Plate No. 10	OptiLOUPE
Elastic Headband	SH-152 \$14.00	SH-153 \$14.00	SH-155 \$14.00	SH-157 \$14.00	SH-160 \$14.00	SH-161 \$2.50
Dial Headband	SH-162 14.95	SH-163 14.95	SH-165 14.95	SH-167 14.95	SH-170 14.95	SH-161 2.50

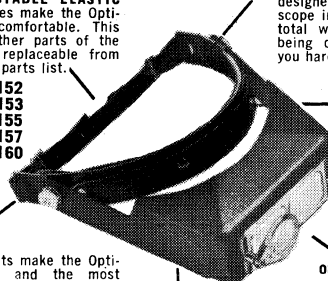


DIAL ADJUSTABLE CONTINUOUS HEAD BAND is formed to fit the head. A twist of the adjustment dial changes head size. Sealed in mechanism is self locking, trouble free. Gives the OptiVISOR better balance for the ultimate in comfort when worn over long periods of time. All other features same as Model E.

FULLY ADJUSTABLE ELASTIC BAND and Slides make the OptiVISOR more comfortable. This part, as all other parts of the OptiVISOR is replaceable from a replacement parts list.

 SH-152
SH-153
SH-155
SH-157
SH-160

IT TILTS—Pivots make the OptiVISOR unique and the most handy magnifier yet. It's up, out of the way of normal vision when not in use, and there at your fingertips when you need that magnified pinpoint clarity for inspection or close work.



CONFORMING HEADBAND made of electrically non-conductive ABS material, the headband is designed to fit and locate the scope in a natural position. The total weight of the OptiVISOR being only about four ounces, you hardly know it's there.

GENUINE LEATHER COMFORT BAND padded with orthopedic felt makes the OptiVISOR more comfortable than any worn magnifier.

OPTICAL GLASS LENSES ground and polished to precision optical standards are bevel edged and mounted in an interchangeable plastic frame. Five scientifically computed prismatic powers are available for use with any OptiVISOR.

ABS HIGH IMPACT VISOR—Chemical, grease and flame resistant, this tough, durable material is practically indestructible with an always new appearance. The grain finish enhances the attractive functional design.

OPTILOUPE

FLEXIBLE ARM MAGNIFIERS

Beau-Tech versatile FLEXIBLE-ARM magnifiers have larger lens area, 18" extra-stiff flexible arm, precision ground optical glass, choice of bases, lens adjustment to any position, positive lock on swivel adjustments, quality built throughout.

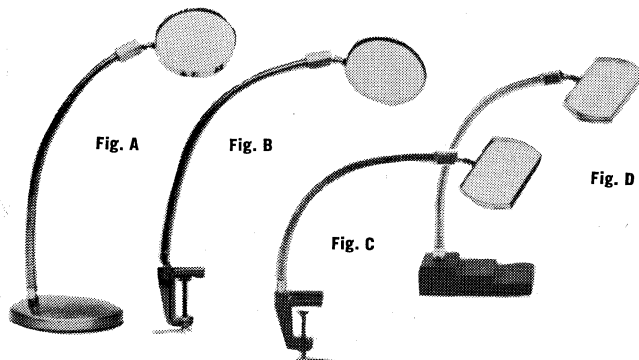
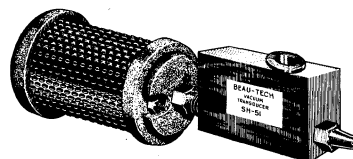


Fig. A, Beau-Tech SH-171 5" Round Lens Net 13.95
Fig. B, Beau-Tech SH-172 5" Round Lens Net 13.95
Fig. C, Beau-Tech SH-174 3" x 5" Rectangular Lens Net 13.95
Fig. D, Beau-Tech SH-173 3" x 5" Rectangular Lens Net 13.95

VACUUM TRANSDUCERS



Beau-Tech SH-51, converts shop air to vacuum energy in seconds. Handles up to 12 probes with Tip No. 22 and maintains 5.5" Hg. Uses less than 1.5 cfm of compressed air at 50 psi to produce 10" Hg. vacuum. (Material ¼" in size will pass thru vacuum transducer without disrupting vacuum flow)

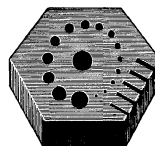
Net 15.95 ea.



POLISHING MOTORS

Beau-Tech SH-150, double sealed ball bearings lubricated for life; will not burn out under repeated loading. Rugged, variable speed motor for buffing, polishing. 2 tapered spindles accept wide range of buff center holes. May be fastened to bench; or used portable. ¼ HP @ 5,000 rpm under load. Dial power rheostat provides 2,000 thru 10,000 rpm under load. 110 VAC 60 cy. Shaft is ⅜" polished drill rod.

Net 44.95 ea.



BENCH BLOCKS

Beau-Tech SH-151, hexagonal with 16 well-graduated holes. One face has five graduated milled slots, .020", .028", .031", .035" and .040" for a variety of exacting jobs. Top, bottom and sides have been ground flat and smooth. Cyanide hardened for long wear. Distance across points is approximately 1⅞" and height is ¾".

Net 4.50, 10 & up 4.05 ea.

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BRASS HAMMERS

Beau-Tech SH-91, 2½ oz., developed originally for the watchmaking trade it is an ideal and inexpensive tool for technicians and hobbyists.

Net 1.75 ea., 10 or more 1.57 ea.



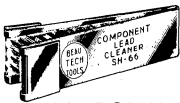
"THREE FACED" HAMMERS

Beau-Tech SH-92 is a unique, beautifully balanced hammer. Has a 2½-oz. head, New Hampshire hardwood varnished handle. Comes with 3 different faces: Brass, Nylon, Fibre, and a spanner wrench for changing faces.

Net 2.75 ea., 10 or more 2.47 ea.

Beau-Tech SH-93, 5-oz. hammer same as above.

Net 3.25 ea., 10 or more 2.92 ea.



COMPONENT LEAD CLEANERS

Beau-Tech SH-66, NASA Quality Publication NPC-200-4 specifies component leads must have all oxides removed before being soldered in place. Beau-Tech SH-66 is a unique and inexpensive hand tool (Stainless Steel) and complies completely with these specs. Net 1.50 ea., 10 or more 1.35 ea.

Beau-Tech SH-90-C and SH-90-S, manufactured to exacting medical standards. The Stainless Steel tools have two-position snap-locks which won't slip. Excellent clamp and heat sink for the soldering of diodes, transistors and other components where heat might be detrimental. Handy as a "third hand" in intricate operations, ideal for breadboarding as several may be used as temporary connectors to eliminate soldering and allow quick connecting and disconnecting of components. With TEC-COATED handles, and vinyl hang-up pouch. Length, approx. 5½".

SH-90-C (Curved Jaws)

Net 4.80 ea., 10 or more 4.32 ea.

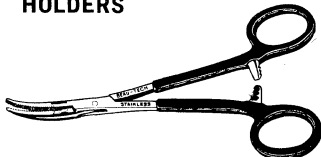
SH-90-S (Straight Jaws)

Net 4.80 ea., 10 or more 4.32 ea.

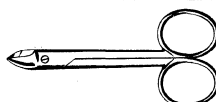
DEMAGNETIZERS

Beau-Tech SH-149, most useful for demagnetizing steel tools and other objects which have become magnetized during fabrication or rework. Base dimensions—3¾" x 2¼". 110 VAC. Net 6.95 ea.

LOCK-TYPE HOLDERS

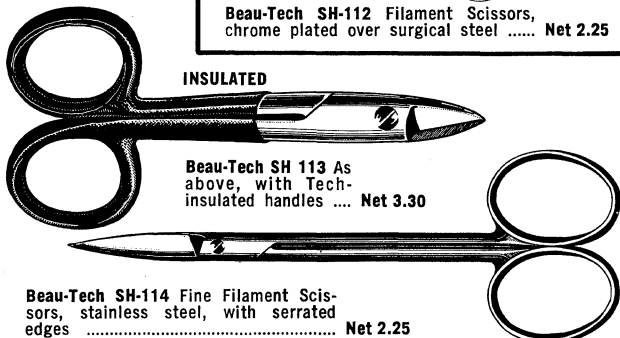


SCISSORS



Beau-Tech SH-112 Filament Scissors, chrome plated over surgical steel Net 2.25

INSULATED



Beau-Tech SH 113 As above, with Tech-insulated handles Net 3.30

Beau-Tech SH-114 Fine Filament Scissors, stainless steel, with serrated edges Net 2.25

BEAU-TECH® VACUUM SYSTEM



VACUUM HANDLING OF MINIATURE PARTS

System normally supplied with Tips No. 11, 12, 20, 22, and 24; however, you may specify the exact tips which you require.

Tip No.	I. D.	O. D.	Style	Mat'l of Hub	Mat'l of Needle	All Plastic	List	Over 20 Each No.
SH-50-11	.03	.10	E			X	.95	.85
SH-50-12	.06	.12	E			X	.95	.85
SH-50-13	.12	.19	E			X	.95	.85
SH-50-14	.03	.10	F			X	1.90	1.21
SH-50-15	.06	.12	F			X	1.90	1.21
SH-50-16	.12	.19	F			X	1.90	1.21
SH-50-17	.25	.31	F			X	1.90	1.21
SH-50-20	.007	.016	A	Metal	X		1.25	1.13
SH-50-21	.010	.020	A	Metal	X		1.25	1.13
SH-50-22	.013	.025	A	Metal	X		1.25	1.13
SH-50-23	.016	.028	A	Metal	X		1.25	1.13
SH-50-24	.020	.032	A	Metal	X		1.25	1.13
SH-50-25	.025	.036	A	Metal	X		1.25	1.13
SH-50-26	.033	.050	A	Metal	X		1.25	1.13
SH-50-27	.045	.057	A	Metal	X		1.60	1.44
SH-50-28	.045	.064	A	Metal	X		1.60	1.44
SH-50-29	.052	.071	A	Metal	X		1.60	1.44
SH-50-30	.070	.095	A	Metal	X		1.60	1.44

Beau-Tech SH-50, consists of a small electric vacuum generator producing up to 14" Hg vacuum, an inline filter which protects the generator from foreign matter, an SH-52 Cylindrical Probe and five Probe tips from the selection listed at left, and a 4" length of vacuum tubing. The operation of the SH-50 Vacuum System is simplicity itself—plug in the generator line cord, turn on the switch and you're in business. Objects are picked up by holding the index finger over the hole in the handpiece, raising the finger to release. Net 36.95 ea., 10 or more 33.25 ea.

SH-52
CYLINDRICAL
PROBE
(Handpiece)
Net 6.25

SCREWDRIVERS



Beau-Tech SH-41, husky knurled body has green phenolic palm swivel for each of handling. There are four blades, which are reversible. Three are of heat-treated tool steel with black oxide finish (.067", .115" and Phillips #1), other is beryllium copper, having two .115" straight tips. Practically any blade size and shape can be specially ordered.

Net 3.25 ea., 10 or more 2.92 ea.



Beau-Tech SH-42, 6-piece instrument screw driver set, meets government spec. FSN-5120-288-8739. Chrome plated steel barrels, black oxide finish, heat-treated bits. Blade widths are .025", .040", .055", .070", .080" and .100". Packed in setup box with dividers. Net 4.80 ea., 10 or more 4.32 ea.

5" SCRIBERS



Beau-Tech SH-43, tool has knurled body for sure grip and hex head to prevent rolling off bench. Point is retractable, made of tool steel, heat treated in the Swedish manner. Net 1.35 ea., 10 or more 1.21

PAN VISES



Beau-Tech SH-147 and SH-148, finest material and workmanship. Built to last for many years, both models are chrome plated to resist rust.

Beau-Tech SH-147 for drills 0-.040" Net 1.45 ea., 10 & up, 1.30 ea.



Beau-Tech SH-148 for drills .025-.062" Net 1.55 ea., 10 & up 1.39 ea.
Beau-Tech SH-142 pin vise, hand/lathe/drill press
drill sizes 0-.040 Net 1.35 ea., 10 & up 1.21 ea.
Beau-Tech SH-143 pin vise, hand/lathe/drill press
drill sizes .025-.062 Net 1.45 ea., 10 & up 1.30 ea.
Beau-Tech SH-144 pin vise, hand/lathe/drill press
drill sizes .050-.125 Net 1.60 ea., 10 & up 1.44 ea.
Beau-Tech SH-145 pin vise, hand/lathe/drill press
drill sizes .115-.188 Net 1.75 ea., 10 & up 1.57 ea.

(Note: SH-142 - 145 Pin Vises have a thru hole for long drills, permitting accurate length control at chuck. Bodies are plated and chuck parts are heat-treated for long life.)

Beau-Tech SH-146 Set of 4 pin vises (above) packed in transparent tube. Net 5.75 set of 4, 10 & up 5.18 set

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FOR BEAUPUGS

BEAU-TECH®

SOLDERING AIDS

The hallmark of quality shows in each detail. Examine the straight or angled tips for the hard-to-reach areas... you'll find they're twist-proof, hard-chrome plated to shed solder. More, both ends are insulated from one another. The practical fork-ends are a "must" for twisting or holding wires. And when you want to scrape joints, connections or ream out lug holes, just flip your Beau-Tech soldering aid to the spade end. Non-slipping, non-rolling "hex" handles. Available in standard, miniature and single ended models.

STANDARD

BEAU-TECH SOLDERING AID SH20A

Fig. A, Beau-Tech SH-20A Straight Reamer & Forked Tips.
Federal stock no. cross reference: FSN-5120-629-2697,
FSN-3439-330-5075, USAF-3439-608-2392

Net 87¢

BEAU-TECH SOLDERING AID SH20B

Fig. B, Beau-Tech SH-20B Angled Reamer & Forked Tips.

FSN-3439-633-6232, USAF-3439-019-9882

Net 87¢

Fig. , Beau-Tech SH-20-A-SE Straight Tip

Net 87¢

Fig. , Beau-Tech SH-20-B-SE Angled Tip

Net 87¢

Fig. , Beau-Tech SH-20-F-SE Forked Tip

Net 87¢

BEAU-TECH SOLDERING AID SH20K

Fig. C, Beau-Tech SH-20K Brush & Scraper Tips.

FSN-5120-767-9126

Net 98¢

Fig. , Beau-Tech SH-20KF Brush & Forked Tip

Net 98¢

PRINTED CIRCUIT

Fig. D

BEAU-TECH SOLDERING AID SH20C

Fig. D, Beau-Tech SH-20C Printed Circuit Type.

Straight Reamer & Forked Tip USAF-3439-562-7066

Net 80¢

Fig. E

BEAU-TECH SOLDERING AID SH20E

Fig. E, Beau-Tech SH-20E Printed Circuit Type.

Angled Reamer & Forked Tips USAF-3439-562-7067

Net 80¢

Fig. F

BEAU-TECH SOLDERING AID SH20F

Fig. F, Beau-Tech SH-20F Printed Circuit Type.

Reamer & Scraper Tips USAF-3439-562-7068

Net 80¢

Fig. G

BEAU-TECH SOLDERING AID SH20G

Fig. G, Beau-Tech SH-20G Printed Circuit Type.

Brush & Scraper Tip

Net 92¢

Fig. , Beau-Tech SH-20-GF Printed Circuit Type.

Brush & Forked Tip

Net 92¢

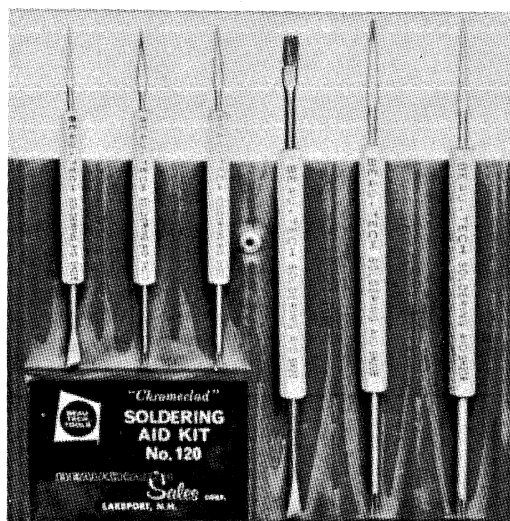


Fig. H

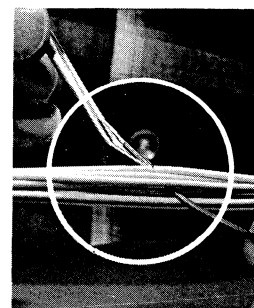
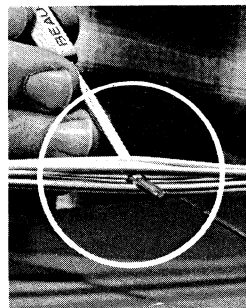
Fig. H, Beau-Tech SH-120 Soldering Aid Kit includes:

SH-20E, SH-20D, SH-20C, SH-20K, SH-20B, SH-20A

Net 4.87

BEAU-TECH®

WIRING AIDS



Work the SH-40B thru wiring harness, lacing, between components, etc., and insert wire in groove. Remove tool, push wire — That's all there is to it! May also be used in desoldering components.

Fig. I

BEAU-TECH WIRING AID SH-40-B

Fig. I, Beau-Tech SH-40-B Wiring Aid & Forked Tip

Net 1.19

Fig. J

BEAU-TECH WIRING AID SH-40-BSE

Fig. J, Beau-Tech SH-40-BSE Wiring Aid, Single End

Net 98¢

Fig. K

BEAU-TECH SPUDGER SH-80

Fig. K, Beau-Tech SH-80 Spudger. Widely used by telephone and electronics technicians for checking circuitry, wiring, and as a soldering aid. WE 709, 733; KS-1102

Net 55¢

Fig. L, Beau-Tech SH-81 Spudger. Same as SH-80, meets MIL-specs and Federal Stock Number requirements. Both are made of red vulcanized fibre. FSN-5120-408-1764, FSN-5120-293-3112, ORD Dwg. A-7578690

Net 55¢

Fig. L

BEAU-TECH SPUDGER SH-81
BEAU-TECH®

PROBERS

Fig. M

Fig. M, Beau-Tech SH-116 Prober #6, stainless steel, vinyl hang-up pouch

Net 98¢

Fig. N

Fig. N, Beau-Tech SH-117 Prober #17, stainless steel, vinyl hang-up pouch

Net 98¢

Fig. O

Fig. O, Beau-Tech SH-123 Prober #23, stainless steel, vinyl hang-up pouch

Net 98¢

Fig. P

Fig. P, Beau-Tech SH-141 Prober #1, stainless steel, vinyl hang-up pouch

Net 98¢

BEAU-TECH®

INSPECTION MIRRORS

INSULATING HARWOOD HANDLES



Fig. Q

Fig. Q, Beau-Tech SH-131 Inspection Mirror, 3/4", 3x magnification

Net 85¢

Fig. Q, Beau-Tech SH-132 Inspection Mirror, 1", 3x magnification

Net 85¢

Fig. Q, Beau-Tech SH-133 Inspection Mirror, 3/4" plain

Net 85¢

Fig. Q, Beau-Tech SH-134 Inspection Mirror, 1" plain

Net 85¢

BEAUCHAINE

SEE SECTION 2100
FOR BEAUPUGS**BEAU
TECH®
TOOLS****BEAUCHAINE****BEAU-TECH®****MICRO-MINIATURE TWEEZERS**

These tools have been specifically designed and precision-shaped for ease of handling micro-miniature parts in electronic instrumentation and related fields — where extremely sharp, strong points and delicate tension are required.

Fig. A



Fig. A, Beau-Tech SH-380 General use, strong blades, fine points, stainless steel, non-magnetic, 4½" Net 3.50

Fig. B



Fig. B, Beau-Tech SH-382 General use, tapered, fine points, stainless steel, non-magnetic, 4½" Net 3.85

Fig. C



Fig. C, Beau-Tech SH-383 Assembly work, very fine points, stainless steel, non-magnetic, 4½" Net 3.75

Fig. D



Fig. D, Beau-Tech SH-384 Extra-fine work, blades taper sharply from body, stainless steel, superfine points, non-magnetic, 4½" Net 4.75

Fig. E



Fig. E, Beau-Tech SH-385 Assembly work, superfine points, stainless steel, non-magnetic, 4½" Net 5.00

Fig. F



Fig. F, Beau-Tech SH-394 Extra-fine work, blades taper sharply from body, bent points, stainless steel, non-magnetic, 4½" Net 5.00

STANDARD TWEEZERS

Fig. G

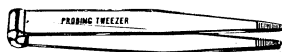


Fig. G, Beau-Tech SH-24A 7" Probing Tweezer, Plastic Net 40¢

Fig. I



Fig. I, Beau-Tech SH-100 Filament Holder, stainless steel. Includes vinyl hang-up pouch Net 2.00

Fig. J



Fig. J, Beau-Tech SH-101 Angular Filament Holder, stainless steel. Includes vinyl hang-up pouch. Redstone Arsenal Stock No. 025-29075-5 Net 2.00

Fig. K



Fig. K, Beau-Tech SH-102 Utility Tweezer No. 1, plated. Includes vinyl hang-up pouch Net 79¢

Fig. M



Fig. M, Beau-Tech SH-104 Fine Filament Holder, stainless steel. Includes vinyl hang-up pouch. Redstone Arsenal Stock No. 025-29075-5 Net 2.00

Fig. N



Fig. N, Beau-Tech SH-105 Lock-type Filament Holder, stainless steel Net 3.25

Fig. O



Fig. O, Beau-Tech SH-106 Heavy Gripper, stainless steel. Includes vinyl hang-up pouch Net 2.25

Fig. P



Fig. P, Beau-Tech SH-111 Filament Holder, stainless steel, tec-insulated handle. Includes vinyl hang-up pouch Net 2.25

MADE IN U.S.A.

BEAU-TECH®**MICRO-MINIATURE TOOLS**

Fig. Q, Beau-Tech SH-400K Kit (tools and handles may be ordered separately). Medium diameter shanks (approx. .030"). Tips are swaged tool steel with compacted grain structure, heat-treated in Swedish manner; ground and plated with copper, nickel and 24-K gold.



Fig. Q

USES: Instrument assembly, micro-production, white room operations, microscopy, lab, solid state electronic production, etc.

Net 58.50 Kit

SH-405 HANDLE Net 9.75

NEEDLE POINT

SH-413 Med. dia., short lgth., Net 4.00

SH-414 Med. dia., med. lgth., Net 4.00

SH-415 Med. dia., long lgth., Net 4.00

SH-421 2.0 ROOT KNIFE Net 4.00

SH-424 3.0 ROOT KNIFE Net 4.00

SH-427 GRAVER Net 4.00

SH-430 SHARP EDGED SPADE Net 4.00

SH-436 SHARP EDGED CHISEL Net 4.00

SH-450 BIFURCATED MANIPULATOR Net 4.00

SH-457 180° HOOK Net 4.00

SH-480 INDIA SHARPENING STONE Net 2.85

BEAU-TECH®**MICRO-MINIATURE TWEEZERS***"Made in Switzerland"***STAINLESS STEEL****"DUMONT STYLE"**

Fig. R



Fig. R, Beau-Tech SH-301 Tweezers #1 Net 3.00
10 & up 2.70

Fig. S



Fig. S, Beau-Tech SH-303C Tweezers #3C Net 3.20

Fig. T



Fig. T, Beau-Tech SH-305 Tweezers #5 Net 4.00

Fig. U



Fig. U, Beau-Tech SH-307 Tweezers #7, Fine Points Net 4.30

Coming Soon**ANTI-WICKING TWEEZERS**

and

NEW WAFER TWEEZERS

Incorporating a revolutionary feature to prevent damage to delicate circuitry.

BEAUCHAINE